

FORM PTO-1449	U.S. Department of Commerce Patent & Trademark Office	Attorney Docket No. 1830/50521	Serial No. 10/009,477
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Masahiro IMOTO, et al.	
		Filing Date Herewith 12/11/01	Group 1624

U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)	
	AA							
FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	TRANSLATION	
							Yes	No
	AB							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)								
<u>DR</u>	AC	P. De SARNO, "Modulation of Acetylcholine Release by Nicotinic Receptors in the Rat Brain" Journal of Neuroscience Research, 1989						
<u>DR</u>	AD	LEVIN, et al. "Nicotinic acetylcholine involvement in cognitive function in animals" Pyschopharmacology, 1998						
<u>DR</u>	AE	DECKER, et al. "Minireview Diversity of Neuronal Nicotinic Acetylcholine Receptors: Lessons from Behavior and Implications for CNS Therapeutics" Life Sciences, 1995						
<u>DR</u>	AF	SALOMAN, et al. "Nicotine Inhibits Amyloid Formation by the B-Peptide" Biochemistry, 1996						
<u>DR</u>	AG	KIHARA, et al. "Nicotinic Receptor Stimulation Protects Neurons Against B-Amyloid Toxicity" American Neurological Association, 1997						
<u>DR</u>	AH	SANDBORN, et al. "Transdermal Nicotine for Mildly to Moderately Active Ulerative Colitis" American College of Physicians, 1997						
<u>DR</u>	AI	NORDBERG, et al. "Nicotinic and Muscarinic Subtypes in the Human Brain: Changes with Aging and Dementia" Journal of Neuroscience Research, 1992						
<u>DR</u>	AJ	NEWHOUSE, et al. "Intravenous nicotine in Alzheimer's disease: a pilot study" Psychopharmacology, 1988						
<u>DR</u>	AK	GALZI, et al. "Neuronal Nicotine Receptors: Molecular Organization and Regulations" Neuropharmacology, 1995						
<u>DR</u>	AL	SCHRATTENHOLZ, et al. "Agonist Responses of Neuronal Nicotinic Acetylcholine Receptors are Potentiated by a Novel Class of Allosterically Acting Ligands" Molecular Pharmacology, 1996						
<u>DR</u>	AM	LIN, et al. "Recent developments in neuronal nicotinic acetylcholine receptor modulators" Ashley Publications, 1998						
<u>DR</u>	AN	BARRANTES, "Molecular Pathology of the Nicotinic Acetylcholine Receptor" The Nicotinic Acetylcholine Receptor: Current Views and Future Trends, 1998						
<u>DR</u>	AO	LENA, et al. "Allosteric nicotinic receptors, human pathologies" J. Physiology, 1998						
EXAMINER <u>Amber Berg</u>				DATE CONSIDERED 9/25/02				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

Initial	Code	Author	Title	Date	Pertinent Pages
DR	AR	TACHIBANA, et al.	"Xenon Contrast CT-CBF Scanning of the Brain Differentiates Normal Age-Related Changes for Multi-Infarct Dementia and Senile Dementia of Alzheimer Type" Journal of Gerontology, 1984		
DR	AS	NEWHOUSE, et al.	"Nicotinic System Involvement in Alzheimer's and Parkinson's Diseases" Clinical Pharmacology, 1997		
DR	AT	MAELICKE, et al.	"New approach to drug therapy in Alzheimer's dementia" Elsevier Science Ltd. 1996		
DR	AU	HOLLADAY, et al.	"Neuronal Nicotinic Acetylcholine Receptors as Targets for Drug Discovery" Journal of Medicinal Chemistry, 1997		
DR	AV	SHACKA, et al.	"Central and Peripheral Anatomy of Nicotinic Sites" Medicinal Chemistry Research, 1996		
DR	AW	ARENDASH, et al.	"Improved learning and memory in aged rats with chronic administration of the nicotinic receptor agonist GTS-21" Elsevier Science, 1995		
DR	AX	BRIGGS, et al.	"Functional Characterization of the Novel Neuronal Nicotinic Acetylcholine Receptor Ligand GTS-21 In Vitro and In Vitro" Pharmacology Biochemistry and Behavior, 1997		
DR	AY	BENCHERIF, et al.	"RJR-2403: A Nicotinic Agonist with CNS Selectivity I. In Vitro Characterization" Journal of Pharmacology and Experimental Therapeutics, 1996		
DR	AZ	LIPPIELLO, et al.	"RJR-2403: A Nicotinic Agonist with CNS Selectivity I. In Vitro Characterization" Journal of Pharmacology and Experimental Therapeutics, 1996		
DR	BA	LLOYD, et al.	"The Potential of Subtype-Selective Neuronal Nicotinic Acetylcholine Receptor Agonist as Therapeutic Agents" Life Sciences, 1998		
DR	BB	NAGATA, et al.	"Modulation of the Neuronal Nicotinic Acetylcholine Receptor Channel by the Nitromethylene Heterocycle Imidacloprid" Journal of Pharmacology and Experimental Therapeutics, 1996		
DR	BC	CHAO, et al.	"Interaction of Imidacloprid Metabolites and Analogs with the Nicotinic Acetylcholine Receptor of Mouse Brain in Relation to Toxicity" Pesticide Biochemistry and Physiology, 1997		

EXAMINER	DATE CONSIDERED
Dr. [Signature]	9/24/02

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
DR	BF	TOMIZAWA, et al. "Minor changes in nicotinoid insecticides confer differential subtype selectivity for mammalian nicotinic acetylcholine receptors" British Journal of Pharmacology, 1999					
DR	BG	COSFORD, et al. "(S)-(-)-5-Ethynyl-3-(1-methyl-2-pyrrolidinyl)pyridine Maleate 9SIB-1508Y): A Novel Anti-Parkinsonian Agent with Selectivity for Neuronal Nicotinic Acetylcholine Receptors" J. Med. Chem., 1996					
DR	BH	DECKER, et al. "ABT-089 [2-Methyl-3-(2-(S)-pyrrolidinylmethoxy)pyridine dihydrochloride]: II. A Novel Cholinergic Channel Modulator with Effects on Cognitive Performance in Rats and Monkeys" Journal of Pharmacology and Experimental Therapeutics, 1997					
DR	BI	SULLIVAN, et al. "ABT-089 [2-Methyl-3-(2-(S)-pyrrolidinylmethoxy)pyridine]: I. A Potent and Selective Cholinergic Channel Modulator with Neuroprotective Properties" Journal of Pharmacology and Experimental Therapeutics, 1997					
DR	BJ	ARNERIC, et al. "(S)-3-Methyl-5-(1-Methyl-2-Pyrrolidinyl) Isoxazole (ABT 418): A Anxiolytic Activities: I. In Vitro Characterization" Journal of Pharmacology and Experimental Therapeutics, 1994					
DR	BK	DECKER, et al. ""(S)-3-Methyl-5-(1-Methyl-2-Pyrrolidinyl) Isoxazole (ABT 418): A Novel Cholinergic Ligand with Cognition-Enhancing and Anxiolytic Activities: II. In Vivo Characterization" Journal of Pharmacology and Experimental Therapeutics, 1994					

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INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant: Masahiro IMOTO et al.		TECH CENTER 1600/2900
		Filing Date December 11, 2001	Group 1624	

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FOREIGN PATENT DOCUMENTS								
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<i>WR</i>	AC	EP 679 397 A2	11/02/1995	Europe	_____		No	
<i>WR</i>	AD	WO 00/10997	03/02/2000	PCT	_____		N/A	
	AE							
	AF							
	AG							
	AH							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)								
<i>WR</i>	AI	Latli, Bachir et al. "Novel and Potent 6-Chloro-3-pyridinyl Ligands for the .alpha.4.beta.2 Neuronal Nicotinic Acetylcholine Receptor" <i>J. Med. Chem.</i> (1999), 42(12), 2227-2234.						
<i>WR</i>	AJ	Akemasa, Hiroyuki: "Preparation of pyridine derivatives as intermediates for insecticides and their intermediates", CA Online! database accession no. 120:298481 & JP 05 339267 A, Dec. 21, 1993.						
_____	AK	Copy of International Search Report and transmittal letter re same dated 01/25/2002						
EXAMINER <i>Duyak</i>				DATE CONSIDERED <i>9/24/02</i>				
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